

## TEST REPORT

No. : SHMR240300554102

Date : May 17, 2024

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CUSTOMER NAME: Jiang Su Wan Yuan New Materials Co., Ltd.  
ADDRESS: XingyeRoad,ShangdangTown,DantuDistrict,Zhenjiang,JIANGSU,China

Sample Name : Hydrophilic aluminum foil

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

\*\*\*\*\*

SGS Ref. No. : SHP24-009067  
Date of Receipt : Mar 27, 2024  
Testing Start Date : Mar 27, 2024  
Testing End Date : May 17, 2024  
Test result(s) : For further details, please refer to the following page(s)  
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for  
SGS-CSTC Standards Technical  
Services (Shanghai) Co., Ltd.

Crystal Wan  
Authorized signatory



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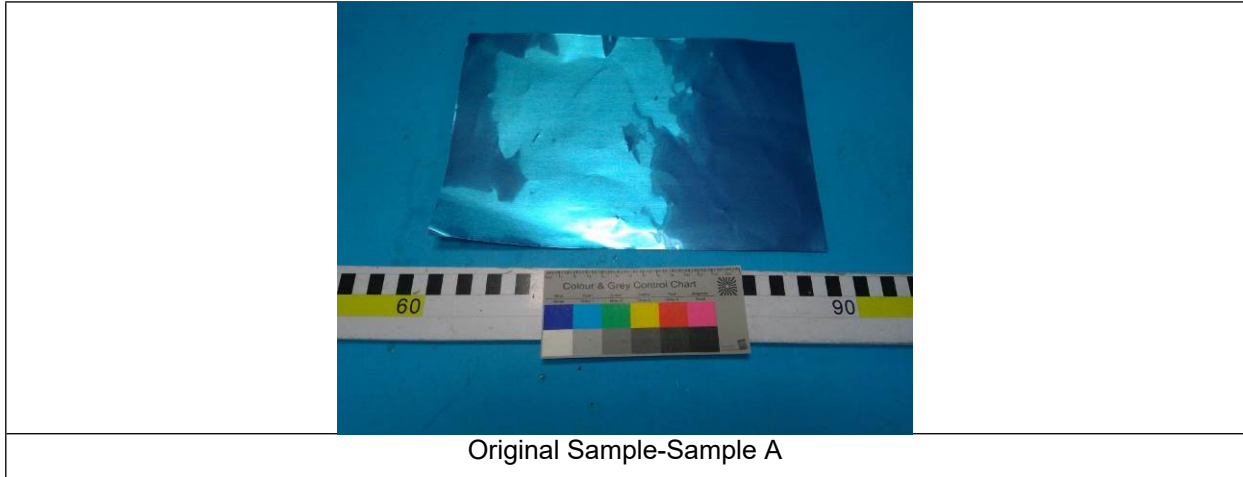
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## Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Neutral Salt Spray Test	ASTM B117-19 & ASTM D1654-08(2016) <sup>ε1</sup>	See result	Pass

Note: Pass : Meet the requirements;  
 Fail : Does not meet the requirements;  
 / : Not Apply to the judgment.

## Original Sample Photo:



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Test Item: Neutral Salt Spray Test

Sample Description: Blue metal foil

Test Method: ASTM B117-19 & ASTM D1654-08(2016) <sup>ε1</sup>

Test Condition:

Concentration of solution collected: (5±1)% NaCl(m/m)

Chamber temperature: (35±2)°C

Volume of salt solution collected: (1.0~2.0)ml/(80cm<sup>2</sup>·h)

pH of collected solution at (23±3)°C: 6.5~7.2

Exposure period: 1000h

Test Result:

Sample	Appearance	Blistering rating (See note 1)	Rust rating (See note 2)
1	No visual rust or blistering	10	10
2	No visual rust or blistering	10	10
3	No visual rust or blistering	10	10



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Note:

1. Blistering rating refers to ASTM D714-02(2017), including size and frequency: the size is divided into 10 levels where 10 is the best, 0 is the worst. The frequency is divided into 4 levels: Dense, D; Medium dense, MD; Medium, M; Few, F.
2. Rust grade refers to ASTM D610-08(2019), as follows:

Percent of surface rusted, A (%)	Rust grade
$A \leq 0.01$	10
$0.01 < A \leq 0.03$	9
$0.03 < A \leq 0.1$	8
$0.1 < A \leq 0.3$	7
$0.3 < A \leq 1.0$	6
$1.0 < A \leq 3.0$	5
$3.0 < A \leq 10.0$	4
$10.0 < A \leq 16.0$	3
$16.0 < A \leq 33.0$	2
$33.0 < A \leq 50.0$	1
$50 < A$	0

3. Rust rating using rust grade of 0-10 followed by the type of rust distribution identified by S for Spot, G for General, P for Pinpoint or H for Hybrid.
4. Intermediate inspection was carried out immediately without any treatment and the result is only for client's reference.
5. Test specimens were cut from the sample.



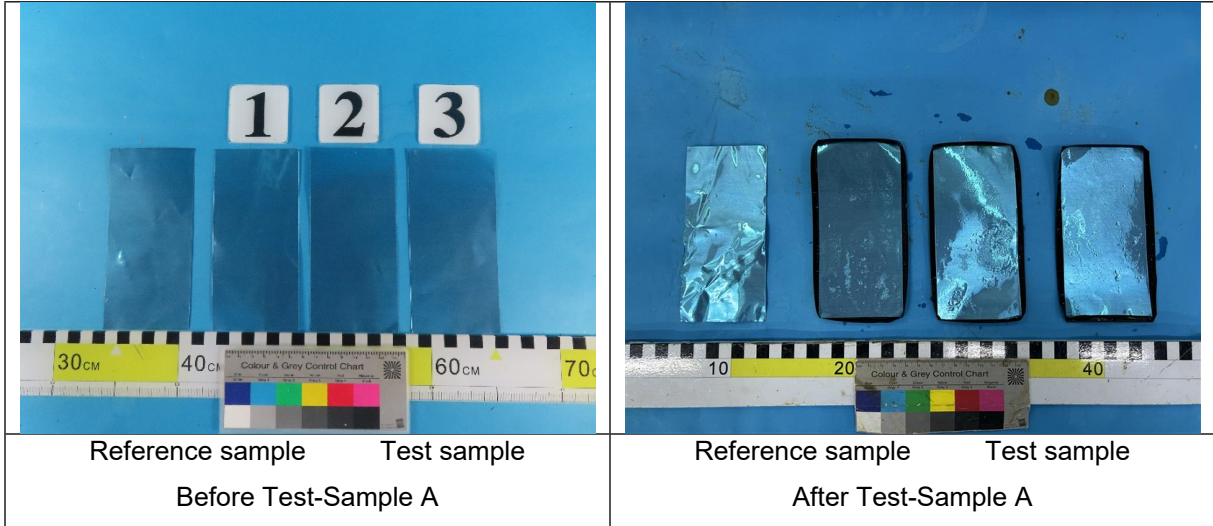
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Test Photo:



Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Q-Fog Cyclic Corrosion Tester	Q-FOG-CCT1100	P-416	2024-02-05	2025-02-04

Appendix information:

\*Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.

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\*\*\*\*\* End of report\*\*\*\*\*

